

No.

200300319



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Monsanto Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

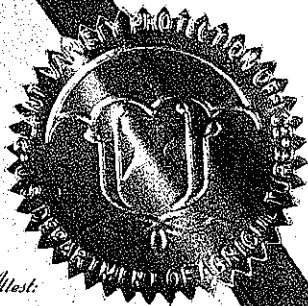
NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED, AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (34 STAT. 1542; 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Baker's White'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-sixth day of February, in the year two thousand and four.

Attest:



Blm Z...
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Ant...
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the privacy Act of 1974 (5 U.S.C. 552a)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential until certificate is issued (7 U.S.C. 2426).

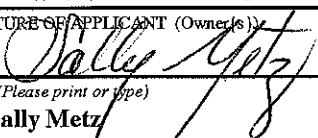
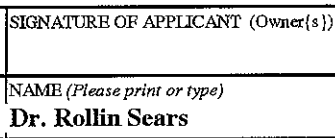
1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER		3. VARIETY NAME	
Monsanto Company		W98-506W		Baker's White	
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)		5. TELEPHONE (include area code)		PVPO NUMBER	
700 Chesterfield Parkway North St. Louis, Missouri 63198		636-737-6089		2003 00319	
		6. FAX (include area code)		DATE	
		636-737-7250		August 22, 2003	
7. GENUS AND SPECIES NAME		8. FAMILY NAME (Botanical)		FILING AND EXAMINATION FEE	
Triticum aestivum		Gramineae		8/22/2003	
9. CROP KIND NAME (common name)				DATE	
Hard White Winter Wheat				3652.00	
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (common name)				CERTIFICATION FEE	
Corporation				432.00	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION		DATE	
Delaware		1933		02/03/2004	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS					
Ms. Sally Metz 700 Chesterfield Parkway North St. Louis, Missouri 63198		Dr. Rollin Sears 6515 Ascher Road Junction City, Kansas 66441		636-737-6089	
				15. FAX (include area code)	
				636-737-7250	
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (follow instructions on reverse)					
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety					
b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness					
c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety					
d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety					
e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership					
f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds, or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)					
g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)					
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 93(a) of the Plant Variety Protection Act)					
<input checked="" type="checkbox"/> YES (if "yes", answer items 18 and 19 below) <input type="checkbox"/> NO (if "no", go to item 20)					
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER GENERATIONS?			19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDERS SEED?		
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			<input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED		
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES?					
<input type="checkbox"/> YES (IF "YES", give names of countries and dates) <input checked="" type="checkbox"/> NO					
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.					
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.					
Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF APPLICANT (Owner(s))			SIGNATURE OF APPLICANT (Owner(s))		
					
NAME (Please print or type)			NAME (Please print or type)		
Sally Metz			Dr. Rollin Sears		
CAPACITY OR TITLE		DATE		CAPACITY OR TITLE	
Director Wheat Technology		10/11/03		Co-Manager, Wheat Business	
				DATE	

Exhibit A.
Origin and Breeding History of Baker's White

Bakers White is a cross between Ponderosa/Jagger. The F1 was produced in 1995 in the greenhouse and designated 95x0982. F2 seed was planted at Nardin, OK in 1996 and evaluated for maturity, disease resistance and agronomic type. F3 seed was space planted and in 1997 F3 plants were selected based upon maturity, plant height, disease resistance and agronomic type. F4 rows were planted and one F4 row from this population was selected based upon disease resistance, agronomic type and plant height and named W98-506W. Baker's White has been tested in replicated yield trials across the southern and central Great Plains since 1999. It has been stable and true breeding since 2001.

In 1999 eight progeny plots were grown in Berthoud, Colorado of which four were selected. These four progeny plots were bulked to grow a 0.2 acre Breeders seed increase in Berthoud, CO in 2001 which produced 116 pounds of Breeders seed. In 2002 a nine acre Breeders seed increase was grown in Garden City, Kansas that produced 10,608 pounds of Foundation seed.

Baker's White has been uniform and stable since 2001. Less than 0.8% of the plants were rogued from the Breeders seed increase in 2001. Approximately 90% of the rogued variant plants were taller height wheat plants (8 to 15 cm). Up to 1% variant plants may be encountered in subsequent generations.

Exhibit B.
Statement of Distinctness

Baker's White is most similar to the hard white winter wheat 'Oro Blanco'. However it can be distinguished by the following characteristics

- Baker's White has an oblique shoulder shape on the glume (Berthoud, CO 2000, 2001). Oro Blanco has an apiculate shoulder shape on the glume (Berthoud, CO 2000, 2001).
- Baker's White flag leaf is a 90 degree angle from the stem at boot stage (Berthoud, CO 2000, 2002). Oro Blanco has a recurved flag leaf at boot stage (Berthoud, CO 2000, 2002).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*Triticum* Spp.)

NAME OF APPLICANT(S) Monsanto Company	FOR OFFICIAL USE ONLY PVPO NUMBER 2003 003 19
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 700 Chesterfield Parkway North St. Louis, Missouri 63198	NAME OR EXPERIMENTAL DESIGNATION Baker's White

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in the first box when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized standard may be used to determine plant colors; designate system used.

Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1 1=Common 2=Durum 3=Club 4=Other (specify) _____

2. VERNALIZATION:

2 1=Spring 2=Winter 3=Other (specify) _____

3. COLEOPTILE ANTHOCYANIN:

1 1=Absent 2=Present

4. JUVENILE PLANT GROWTH:

2 1=Prostrate 2=Semi-erect 3=Erect

5. PLANT COLOR (boot stage):

2 1 = Yellow-Green 2 = Green 3 = Blue-Green

6. FLAG LEAF (boot stage):

0 1 = Erect 2 = Recurved *90 degree angle from stem

2 1 = Not Twisted 2 = Twisted

7. EAR EMERGENCE:

0 0 Number of Days Earlier Than same as Oro Blanco *

0 0 Number of Days Later Than _____ *

8. ANTER COLOR:

1 1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns):

0 5 cm Taller Than Oro Blanco *

0 0 cm Shorter Than _____ *

* Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

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10. STEM:

A. ANTHOCYANIN

☒ 1 = Absent 2 = Present

B. WAXY BLOOM

☒ 2 = Absent 2 = PresentC. HAIRINESS (*last internode of rachis*)☒ 2 = Absent 2 = PresentD. INTERNODE (*specify number*)☒ 1 = Hollow 2 = Semi-solid 3 = Solid

E. PEDUNCLE

☒ 1 = Erect 2 = Recurved☒ 1 ☒ 2 cm Length11. HEAD (*at Maturity*):

A. DENSITY

☒ 2 = Lax 2 = Middense 3 = Dense

B. SHAPE

☒ 2 = Tapering 2 = Strap 3 = Clavate 4 = Other (*specify*)

C. CURVATURE

☒ 2 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

☒ 4 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned12. GLUMES (*at Maturity*):

A. COLOR

☒ 1 = White 2 = Tan 3 = Other (*specify*)

B. SHOULDER

☒ 2 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

☒ 3 = Obtuse 2 = Acute 3 = Acuminate *long acuminate

D. LENGTH

☒ 2 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

☒ 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

☒ 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

☒ 1 = Rounded 2 = Angular

C. BRUSH

☒ 2 = Short 2 = Medium 3 = Long☒ 1 = Not Collared 2 = Collared

D. CREASE

☒ 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel☒ 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

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13. SEED: (continued)

E. COLOR

☒ 1 1 = White 2 = Amber 3 = Red 4 = Other (specify) _____

F. TEXTURE

☒ 1 1=Hard 2=Soft

G. PHENOL REACTION (see instructions):

☒ 0 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant) 5=moderately resistant
PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED 6=moderately susceptible

☒ 0 Stem Rust (*Puccinia graminis* f. sp. *tritici*)
Field races

☒ 6 Leaf Rust (*Puccinia recondita* f. sp. *tritici*)
Field races

☒ 6 Stripe Rust (*Puccinia striiformis*)

☒ 0 Loose Smut (*Ustilago tritici*)

☒ 0 Tan Spot (*Pyrenophora tritici-repentis*)

☒ 0 Flag Smut (*Urocystis agropyri*)

☒ 0 Halo Spot (*Selenophoma donacis*)

☒ 0 Common Bunt (*Tilletia tritici* or *T. laevis*)

☒ 0 *Septoria nodorum* (Glume Blotch)

☒ 0 Dwarf Bunt (*Tilletia controversa*)

☒ 0 *Septoria avenae* (Speckled Leaf Disease)

☒ 0 Karnal Bunt (*Tilletia indica*)

☒ 0 *Septoria tritici* (Speckled Leaf Blotch)
Field races

☒ 1 Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)
Field races

☒ 0 Scab (*Fusarium* spp.)

☒ 0 Snow Molds

☒ 0 Black Point (Kernel Smudge)

☒ 0 Common Root Rot (*Fusarium*, *Cochliobolus* and *Bipolaris* spp.)

☒ 0 Barley Yellow Dwarf Virus (BYDV)

☒ 0 Rhizoctonia Root Rot (*Rhizoctonia solani*)

☒ 2 Soilborne Mosaic Virus (SBMV)
Field races

☒ 0 Black Chaff (*Xanthomonas campestris* pv. *translucens*)

☒ 2 Wheat Yellow (Spindle Streak) Mosaic Virus
Field races

☒ 0 Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*)

☒ 5 Wheat Streak Mosaic Virus (WSMV)
Field races

☐ Other (specify) _____

☐ Other (specify) _____

☐ Other (specify) _____

☐ Other (specify) _____

☐ Other (specify) _____

☐ Other (specify) _____

☐ Other (specify) _____

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15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

<input checked="" type="checkbox"/> 0	Hessian Fly (<i>Mayetiola destructor</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input checked="" type="checkbox"/> 0	Stem Sawfly (<i>Cephus</i> spp.)	<input type="checkbox"/>	Other (<i>specify</i>)
<input checked="" type="checkbox"/> 0	Cereal Leaf Beetle (<i>Oulema melanopa</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input checked="" type="checkbox"/> 0	Russian Aphid (<i>Diuraphis noxia</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input checked="" type="checkbox"/> 0	Greenbug (<i>Schizaphis graminum</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input checked="" type="checkbox"/> 0	Aphids		

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

None

Exhibit D.
Additional Description of Baker's White

Baker's White is a hard white winter wheat bred and developed by Agripro Wheat. Baker's White is adapted to the Central High Plains. Baker's White is a medium height semidwarf wheat with medium maturity and good straw straw. Baker's White provides resistance to Soilborne Mosaic Virus and Spindle Streak Mosaic Virus, is moderately susceptible to Leaf rust, and Stripe rust and is moderately resistant to Wheat Streak Mosaic Virus. Baker's White is susceptible to Powdery Mildew.

Juvenile growth habit is semi-erect. Auricle anthocyanin and auricle hairs are present. Plant color at boot stage is green. Anther color is yellow. Flag leaf at boot stage is a 90 degree angle to the stem and twisted. Head shape is strap and awned. Glume shoulder shape is oblique with a long acuminate beak. Chaff color is white at maturity. Seed shape is ovate. Seed depth is shallow and width is narrow. Seed cheeks are rounded.

Year: 2000																			
LabNo	Designation	Loc	Code	Wht Prot	Flr Prot	Flr Yld	Ash	Peak Time	Peak Ht.	Tol	Norris Hard	ABS	Mix Time	Loaf Vol	Grain	Tex	Color	Comments	
1097	ORO BLANCO	CP	8001		12.2	66.5	0.46	4.50	5.00	1304	130	62.0	4.50	1000	3	3	4		
1207	ORO BLANCO	SP	8001		12.0	69.6	0.48	4.25	5.00	984	118	60.5	4.25	910	3	3	3		
1098	PLATTE	CP	8002		10.9	68.3	0.48	4.50	5.25	1390	137	63.5	4.75	980	4	3	3		
1208	PLATTE	SP	8002	13.4	12.5	69.3	0.53	4.00	5.00	1173	125	62.0	4.00	965	5	3	4		
1102	TREGO	CP	8006		10.3	68.7	0.47	3.75	5.00	1085	144	59.0	3.75	890	4	3	3		
1115	TREGO	CP	8106		10.5	68.8	0.50	3.50	5.00	1077	140	58.5	3.50	880	4	3	3		
1212	TREGO	SP	8006	12.9	11.9	71.2	0.50	2.75	5.00	943	137	60.0	2.75	975	4	3	3		
1100	NuFrontier	CP	8004		11.5	68.7	0.45	4.00	5.00	1160	125	60.5	4.00	940	4	3	3		
1210	NuFrontier	SP	8004		12.5	68.3	0.48	3.50	4.75	1164	117	60.0	3.50	965	5	3	3		S
1101	NuHorizon	CP	8005		11.3	67.0	0.55	5.50	5.00	1301	137	59.5	6.00	950	3	3	3		
1211	NuHorizon	SP	8005	13.4	12.0	69.0	0.51	5.00	4.75	1314	128	60.0	5.00	960	4	2	3		
1105	W98-054W	CP	8012		11.0	67.0	0.46	3.00	5.00	917	146	59.0	3.00	920	3	3	3		
1215	W98-054W	SP	8012	13.5	12.6	67.9	0.50	2.50	5.00	928	134	61.0	2.50	955	4	3	3		
1107	W98-506W	CP	8018		11.5	66.4	0.44	6.00	4.00	1303	149	61.0	6.00	885	4	3	3		
1217	W98-506W	SP	8018		13.0	70.0	0.48	4.50	4.75	1363	137	61.0	4.50	990	4	4	3		B
1108	W98-530W	CP	8025		11.4	68.5	0.48	6.25	5.00	1356	138	60.0	6.25	870	4	3	3		
1218	W98-530W	SP	8025	13.6	12.8	70.0	0.49	5.00	4.75	1314	133	61.0	5.00	960	4	3	3		
1113	W98-538W	CP	8048		11.6	67.9	0.43	5.50	4.75	1497	139	61.0	5.50	935	4	3	3		
1223	W98-538W	SP	8048		12.4	69.7	0.56	4.75	5.00	1265	131	61.0	4.75	970	4	3	3		
Year: 2001																			
LabNo	Designation	Loc	Code	Wht Prot	FLR PROT	FLR YLD	ASH	PEAK Time	PEAK HT	TOL	NHARD	ABSOR	MIX TIME	LOAF VOL	Grain	Tex	Color	Com	
1885	TREGO	DL	401	13.5	12.5	71.4	0.444	2.50	5.25	832	81	62.0	2.50	840	4	3	3		
1886	PLATTE	DL	402	15.1	14.0	70.5	0.432	3.25	5.25	966	74	65.5	3.25	935	4	3	3		
1887	ORO BLANCO	DL	403	14.6	13.7	70.3	0.434	3.75	5.00	863	71	64.5	3.75	965	4	3	4		
1888	SOLOMON	DL	404	14.3	13.8	69.9	0.448	4.75	5.00	1160	85	65.0	4.75	950	3	3	3		R
1889	BETTY	DL	405	15.0	14.2	70.2	0.460	3.00	5.25	796	80	64.5	3.00	1040	4	2	3		
1890	HEYNE	DL	406	14.9	14.2	71.2	0.436	2.75	5.00	320	64	64.5	2.75	940	5	3	3		
1891	LAKIN	DL	407	13.8	12.8	70.7	0.404	3.00	5.25	539	67	62.5	3.00	965	5	2	3		
1892	NUPLAINS	DL	408	15.4	13.8	68.7	0.416	2.75	5.00	720	76	64.0	2.75	980	4	3	3		
1893	INTRATA	DL	409	14.6	13.6	71.2	0.434	2.50	5.00	743	75	64.5	2.50	1000	4	3	3		
1898	W98-530W	DL	415	13.5	12.5	71.8	0.438	3.75	5.00	1110	76	63.0	3.75	990	3	3	3		
1899	W98-506W	DL	416	14.6	13.3	71.0	0.424	4.00	4.50	1214	81	64.0	4.00	975	4	3	3		
1900	NUHORIZON	DL	421	13.5	12.1	71.0	0.432	4.25	4.75	1297	69	63.0	4.25	890	3	3	3		
1901	W98-054W	DL	422	14.2	12.6	70.9	0.406	2.25	5.00	780	77	62.0	2.25	885	4	3	3		
1902	W98-538W	DL	423	13.5	12.3	71.1	0.440	4.00	5.00	1088	75	63.0	4.00	960	4	3	3		
1903	NUFRONTIER	DL	424	13.0	12.1	71.4	0.424	3.25	4.75	945	68	61.0	3.25	900	4	3	3		

AgriPro Wheat

Summarized Data for Selected Experimental Hard White Wheat Lines Data provided to AWWPA

Confidential

Variety # Locations	1999 [4] bu/a	2000 [5] bu/a	2001 [5] bu/a	Average	2001 TW lbs/bu	Maturity	Height	SB/SS	SR	LR	LC	PM	WS	PPO	Sprout
Oro Blanco	81	41	45	56	57	M	SD	1		8	6	7	7		fair
W96-054W	89	42	57	63	61	M	SD	1		8	4	5	4	high	VG
W98-506W	87	45	57	63	60	M	SD	1		6		8	4	med	fair
W98-530W	87	45	52	61	59	M	SD	1		3		4	4	med	VG
W98-538W	82	40	54	59	60	M	SD	1		2	5	7	4	low	poor

ratings based upon 1 resistant or best, 9 susceptible or worst and observation taken at a minimum of 3 locations

SB/SS = soil borne/spindle streak mosaic virus complex

SR = stem rust

LR = leaf rust

LC = leaf complex, primarily tan spot & leaf blotch

PM = powdery mildew

WS = wheat streak mosaic

PPO = poly phenyloxidase reaction, these are estimates data needs verification

Sprout = tolerance to pre-harvest sprouting

Two Year Data Comparison with current competition (head to head in same trial)

# location	2000 bu/a	2001 bu/a	Average bu/a	2001 TW lbs/bu
W96-054W	[5] 42	[5] 57	50	61
W98-506W	45	57	51	60
W98-530W	45	52	49	59
W98-538W	40	54	47	60
NuFrontier	38	56	47	60
NuHorizon	42	54	48	60
Trego	45	45	45	57
Betty	38	56	47	60
Jagger	44	63	54	60
2137	41	47	49	56

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Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by Dr. John Moffatt, an employee of Agripro Wheat. By agreement between employees and Agripro Wheat all rights to any invention, discovery, or development made by the employee while employed by Agripro Wheat, were assigned to Agripro Wheat, with no rights of any kind pertaining to 'Baker's White' being retained by the employees.

By contractual agreement the variety 'Baker's White' was purchased from Agripro Wheat, a business unit of Advanta USA, Inc. in June of 1996 and is currently owned by Monsanto Company.